

Tiva Based Daughter Board for Firebird V Hardware And Software Manual.

eRTS Lab IIT Bombay

June 14, 2017

1 Credits

Version 1.0

June 14, 2017

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2 Notice

The contents of this manual are subject to change without notice. All efforts have been made to ensure the accuracy of contents in this manual. However, should any errors be detected, e-yantra welcomes your corrections. You can send us your queries / suggestions at [Contact Us](#)

3 Index

- 1.

4 Introduction

5 Tiva Based Daughter Board

5.1 Technical Specification

5.2

6 Hardware Manual:

7 Software Manual:

7.1 Code Composer Studio:

Code Composer Studio is an integrated development environment (IDE) that supports TI's Microcontroller and Embedded Processors portfolio. Code Composer Studio comprises a suite of tools used to develop and debug embedded applications. It includes an optimizing C/C++ compiler, source code editor, project build environment, debugger, profiler, and many other features. The intuitive IDE provides a single user interface taking you through each step of the application development flow. Familiar tools and interfaces allow users to get started faster than ever before. Code Composer Studio combines the advantages of the Eclipse software framework with advanced embedded debug capabilities from TI resulting in a compelling feature-rich development environment for embedded developers. This description is directly taken from the website of Texas Instruments and click to know more [about CC Studio](#)

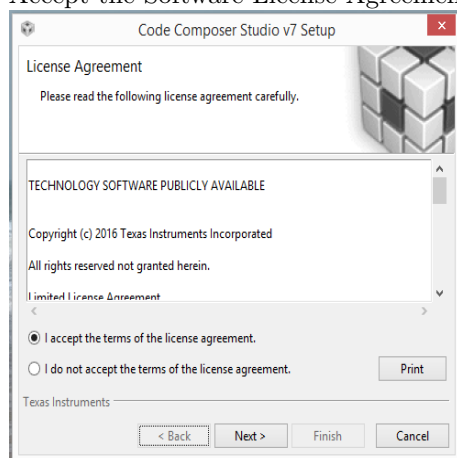
7.1.1 Download CC Studio:

At the time of writing this document Version 7 was the latest one. You can check for the latest at [Download CCS](#). (do not download any beta versions). There will be two installer files. The web installer will require Internet access until it completes. If the web installer version is unavailable or you can't get it to work, download, unzip and run the offline version. The offline download will be much larger than the installed size of CCS since it includes all the possible supported hardware.

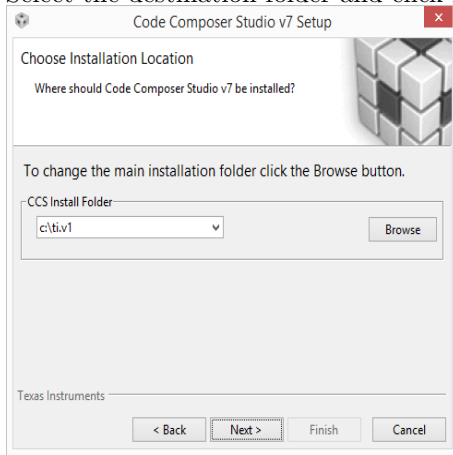
7.1.2 Installing C C Studio:

After the installer has started follow the steps mentioned below:

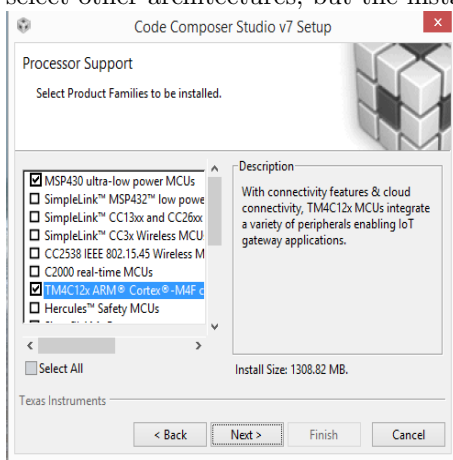
1. Accept the Software License Agreement and click Next.



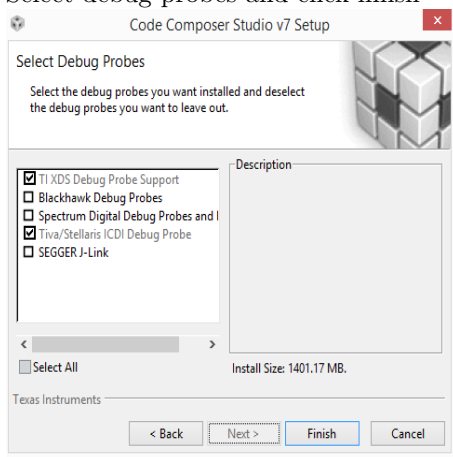
2. Select the destination folder and click next.



3. Select the processors that your CCS installation will support. You must select "TM4C12X Arm Cortex M4". You can select other architectures, but the installation time and size will increase.



4. Select debug probes and click finish



5. The installer process should take 15 - 30 minutes, depending on the speed of your connection. The offline installation should take 10 to 15 minutes. When the installation is complete, uncheck the "Launch Code Composer Studio v7" checkbox and then click Finish. There are several additional tools that require installation during the CCS install process. Click "Yes" or "OK" to proceed when these appear.